INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/35344

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61C 1/07					
11 0(.)	100105	TO A TOPO			
US CL: 433/86 According to International Patent Classification (IPC) or to both national classification and IPC					
B FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
Minimum docu	3/86, 118, 119; 601/2		l		
	n searched other than minimum documentation to the ϵ	extent that such documents are included	in the fields searched		
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Electronia dat	a base consulted during the international search (name	of data base and, where practicable, se	arch terms used)		
Electronic dat	a vasc committee				
	IMENTS CONSIDERED TO BE RELEVANT				
	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.		
Category *	US 5,899,693 A (HIMENO et al.) 04 May 1999, see	entire document.	1,3-5, 13, 17-19		
X	US 5,899,693 A (HIMENO et al.) 04 thay 1997 500	1			
Y			10-12, 14-16		
1 1			1, 3, 4, 6, 7, 9, 13,		
x	US 2003/0096213 A1 (HICKOK et al.) 22 May 2003	s, see entire document.	17-19		
Y			10-12, 14-16, 20, 21		
		069 coo figures 1-4	1, 2, 4, 5		
x	US 3,368,280 A (FRIEDMAN et al.) 13 February 1	908, see figures 1-4.			
	and a second sec	e document.	1, 3, 4, 9, 13		
) x	X US 4,330,278 A (MARTIN) 18 May 1982, see entire document.				
			5-8, 10-12, 14-21		
Y			1		
l x	X US 5,853,290 A (WINSTON) 29 December 1998, see figures 5 and 6.		1-5, 8		
1			20, 21		
Y	1		25, 55		
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		See patent family annex.			
Furthe	er documents are listed in the continuation of Box C.		second filing date or priority		
	Special categories of cited documents:	date and not in conflict with the 200	ICSUIDE Off CITCH to miners with the		
	nt defining the general state of the art which is not considered to be	principle or theory underlying the in	vention		
"A" document	cular relevance	"X" document of particular relevance; th	e claimed invention cannot be		
	application or patent published on or after the international filing date	considered novel or cannot be considered when the document is taken alone	dered to involve an inventive step		
			s to a transition assume he		
"L" docume	nt which may throw doubts on priority claim(s) or which is cited to hote publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive s			
specific	ad)	combined with one or more other st	ch document, such comomenta		
O docume	ant referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in			
I	ant published prior to the international filing date but later than the	"&" document member of the same pate	nt family		
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31 March 2005 (31.03.2005)					
Name and mailing address of the ISA/US					
Mail Stop PCT, Atm: ISA/US Commissioner for Patents		Todd E. Manahan			
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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
		Relevant to claim No. 4-9, 13, 17, 18	